Claims

1. A dryer for drying a web (07) of material, having a transit channel (08) for the web (07) of material, in which drying takes place and which has at least one straight section (36, 37), wherein the dryer is arranged on a printing group (21) with vertical guidance of the web and its transit channel (08) has at least one straight section (36, 37), through which a web (07) of material fed in from the printing group (21) is guided horizontally, characterized in that the transit channel (08) has at least two sections (36, 37), through which the web (07) of material is passed in opposite directions, and that at least one of the two sections section (36) is arranged only on one side of a plane (43) determined by a vertically extending web (07) of material, and the other section (37) is arranged on both sides of the plane (43).

2. A dryer for drying a web (07) of material, having a transit channel (08) for the web (07) of material, in which drying takes place and which has at least one straight section (36, 37), wherein the dryer is arranged on a printing group (21) with vertical guidance of the web and its transit channel (08) has at least one straight section (36, 37), through which a web (07) of material fed in from the printing group (21) is guided horizontally, characterized in that the transit channel (08) has a plurality of sections (36, 37), which are provided with air outlet openings (04), wherein a heating device is provided in the supply line for the air outlet openings (04) of at least one section (36, 37) located

upstream in the running direction of the web (07) of material, and wherein a heating device is lacking in the supply line for the air outlet openings (04) in at least one section located downstream in the running direction of the web (07) of material.

3. The dryer in accordance with claim 1 or 2, characterized in that a curved change of direction surface

(01, 11, 12, 13), around which the web (07) of material is looped, is arranged at an inlet (23) and/or an outlet (24) and/or between two sections (36, 37) of the transit channel (08) through which the web (07) of material moves in different directions.

4. The dryer in accordance with claim 3, characterized in that the change of direction surface (01) has a radius of curvature which is variable in the web running direction and which is minimal at the vertex line (03) of the change of direction surface (01) and increases in the direction toward the edges of the change of direction surface.

5. The dryer in accordance with claim 3, characterized in that the air outlet openings (04) are arranged along a vertex line (03) of the change of direction surface (01).

6. The dryer in accordance with claim 1 or 2, characterized in that heat sources (41) are arranged in the transit channel (08).

7. The dryer in accordance with claim 1, characterized in that air outlet openings, which are directed on the web (07) of material, are arranged on the at least one straight section (36, 37) of the transit channel (08).

8. The dryer in accordance with claim 2 or 7, characterized in that a heating device is arranged in the supply line of the air outlet openings (04).

9. The dryer in accordance with claim 2 or 8, characterized in that the heating device is a burner.

10. The dryer in accordance with claim 1 or 7, characterized in that the transit channel (08) has a plurality of sections (36, 37), which are provided with air outlet openings (04), wherein a heating device is provided in

the supply line for the air outlet openings (04) of at least one section (36, 37) located upstream in the running direction of the web (07) of material, and wherein a heating device is lacking in the supply line for the air outlet openings (04) in at least one section located downstream in the running direction of the web (07) of material.

11. The dryer in accordance with claims 7 to 10, characterized in that a pressure pump (16) is arranged in a supply line of the air outlet openings (04).

12. The dryer in accordance with claim 1 or 2, characterized in that a suction pump (26) is arranged for creating a negative pressure in the transit channel (08).

13. The dryer in accordance with claim 2, characterized in that the transit channel (08) has at least two sections (36, 37), through which the web (07) of material runs in opposite direction.

14. The dryer in accordance with claim 1 or 13, characterized in that a first section (36) extends from an inlet (23) of the dryer (22) over a first distance in a first direction, and a section (37) adjoining it via a change of direction surface (12) extends opposite the first direction over a second distance which is greater than the first one.

15. The dryer in accordance with claim 1 or 13, characterized in that the second section (37) is at least twice as long as the first section (36).

16. The dryer in accordance with claim 1 or 13, characterized in that at least one of the two sections (36) is arranged only on one side of a plane (43) determined by a vertically extending web (07) of material, and the other section (37) is arranged on both sides of the plane (43).